

THE UNIVERSITY OF WISCONSIN
COLLEGE OF AGRICULTURE

Madison 6

DEPARTMENT OF GENETICS

Sept. 25, 1953

Dr. R.D. Dawes
The ~~Wright~~ Fleming Inst. of Microbiology
St. Mary's Hospital Med. School
Paddington, London, W.2
England

Dear Dr. Dawes,

The reference you requested is : Lederberg, E.M. and J. Lederberg
Genetics studies of lysogenicity in Escherichia coli. Genetics 38:51-64.1953, and
will be forwarded to you. W-677 was not used ~~as~~ here, is not known to carry Gal ~~4-~~,
and in fact carries a complex of factors resulting in a slow-fermenting phenotype,
and a heterogeneous progeny ~~when crossed with either Gal⁺ or Gal⁻. From a T.I-Th-~~
Lac₁-Mal₁- strain two sublines were obtained independently: W-677 which is Mtl-Xyl-
Arab^{s1} V₁^r Lp₂^r, and W-945 which is Gal- (unknown as yet) and in process of genetic
test) which is essentially the same except that the markers were independently
produced and may or may not be allelic with ~~Mal~~ those of W-677.

We are indeed very much interested in factors linked to Gal and would
appreciate a few details of your norleucine resistance investigations. You remarked
that your culture of W-677 was not identical with the one used by Cavalli, but